

Listing of Claims:

1. (Currently amended) A wireless gateway, comprising:
a local network interface using a local network interface protocol;
a wireless interface providing access to a plurality of network services, each of said plurality of network services using a different public network interface protocol;
a controller connected to said local network interface and to said wireless interface, said controller configured for monitoring a plurality of network services accessible to said gateway through said wireless interface and tracking network services that are available; and
one or more service interfaces connected to said local network interface and to said wireless interface;
wherein each service interface provides automatic data conversion between ~~two services~~ said local network interface protocol and a public network interface protocol associated with the plurality of network services.
2. (Currently amended) The wireless gateway of claim 1, wherein:
said controller selects one service interface for communication between ~~a first service corresponding to data received through said local network interface~~ said local network interface and ~~a second service corresponding to data received through said wireless interface~~, and said selected service interface provides data conversion between said ~~first service~~ local network interface and said wireless interface ~~second service~~.
3. (Original) The wireless gateway of claim 2, wherein:
said selected service interface provides transcoding of data between said first service and said second service.
4. (Original) The wireless gateway of claim 2, wherein:
said selected service interface provides protocol conversion between said first service and said second service.

5. (Original) The wireless gateway of claim 1, wherein:
said controller provides routing of data between said local network interface and said wireless interface.
6. (Original) The wireless gateway of claim 1, wherein:
said local network interface supports an Ethernet connection.
7. (Original) The wireless gateway of claim 1, wherein:
said wireless interface supports a CDMA connection.
8. (Original) The wireless gateway of claim 1, wherein:
said wireless interface supports a Wi-Fi connection.
9. (Original) The wireless gateway of claim 1, wherein:
said wireless interface supports a Bluetooth connection.
10. (Currently amended) A method of network communication using a wireless gateway, comprising:
monitoring a plurality of network services accessible to said gateway through a wireless interface and tracking network services that are available;
receiving a session request to open a network session from a client through a first interface of a said gateway using a first interface communication protocol , ~~wherein said session request indicates a communication service;~~
determining the particular communication service indicated by the session request;
selecting a network service that ~~matches said communication service~~ is available among said plurality of network services; ~~and~~
sending a service request to a ~~network server~~ service provider of the selected network service through a second interface of said gateway using a second interface communication protocol, ~~wherein said network server supports said selected~~ requesting initiation of the network service;

establishing a connection between the client and the network service allowing data to be communicated between the client and the network service; and

automatically converting the data to match the communication protocols of said first and second interfaces using an appropriate service interface. ~~wherein said selected network service has a corresponding service interface that provides data conversion between said selected network service and said communication service.~~

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Currently amended) The method of claim 10, wherein:

~~said communication service and said network service are not directly compatible~~ said appropriate service interface is selected from a plurality of service interfaces provided in said gateway.

15. (Original) The method of claim 10, wherein:

said first interface is a LAN interface supporting a LAN connection.

16. (Original) The method of claim 15, wherein:

said LAN interface supports an Ethernet connection.

17. (Original) The method of claim 10, wherein:

said second interface is a wireless interface supporting a wireless connection.

18. (Previously presented) The method of claim 17, wherein:

said wireless interface supports a CDMA connection.

19. (Previously presented) The method of claim 17, wherein:
said wireless interface supports a Wi-Fi connection.

20. (Previously presented) The method of claim 17, wherein:
said wireless interface supports a Bluetooth connection.

21. (Currently amended) A system for network communication using a gateway, comprising:
means for monitoring a plurality of network services accessible to said gateway through a wireless interface and tracking network services that are available;

means for receiving a session request to open a network session from a client through a first interface of a said gateway using a first interface communication protocol, wherein said session request indicates a communication service;

means for determining the particular communication service indicated by the session request;

means for selecting a network service that matches said communication service is available among said plurality of network services; and

means for sending a service request to a network server service provider of the selected network service through a second interface of said gateway using a second interface communication protocol, wherein said network server supports said selected requesting initiation of the network service; and

a service interface corresponding to said selected network service that provides and providing data conversion to match the communication protocols of the first and second interfaces. between said selected network service and said communication service.

22. (Original) The system of claim 21, further comprising:

means for establishing a connection for communication between said first interface and said second interface; and

means for sending data across said established connection.

23. (Original) The system of claim 22, further comprising:

Serial No.: 10/806,762

Response to Final Office Action of 07/13/2007

means for transcoding data to be sent through said connection using said service interface.

24. (Canceled)

25. (Canceled)